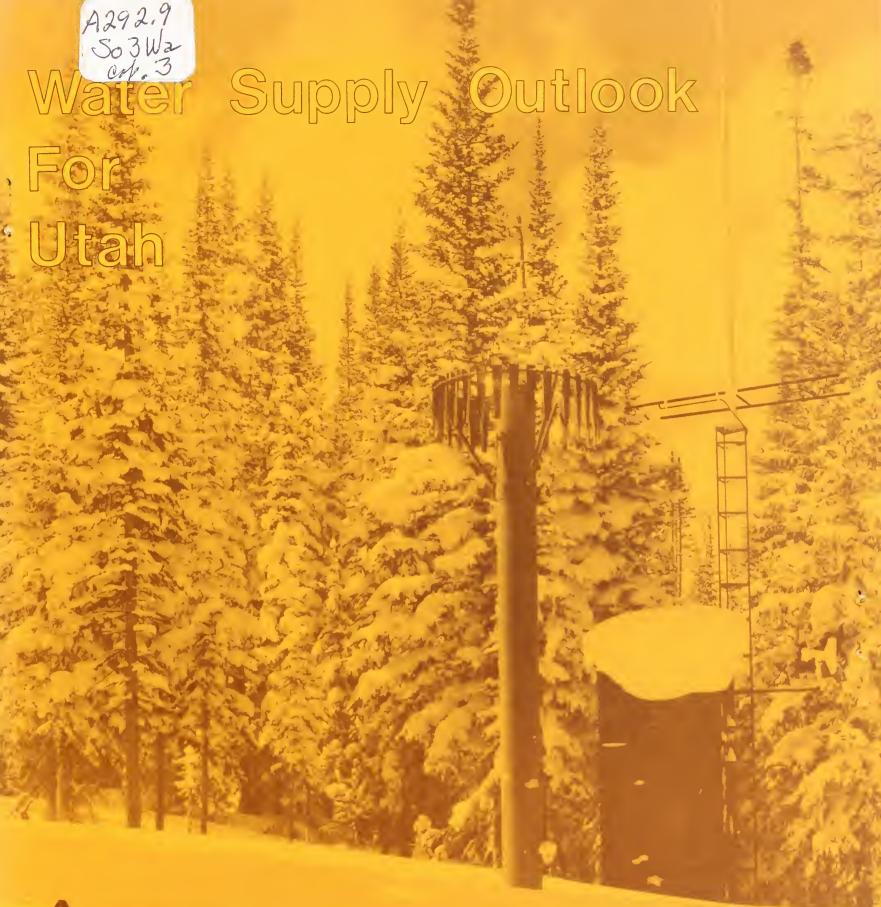
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SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

UTAH STATE DEPARTMENT of NATURAL RESOURSES
-- DIVISION of WATER RIGHTS

MAY 1, 1979

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS.

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: VIEW OF A SNOTEL DATA SITE IN THE SNOWY RANGE IN WYOMING. TALL CYLINDRICAL DEVICE IS A PRECIPITATION GAGE. SNOW PILLOWS ON THE GROUND NOT VISIBLE DUE TO SNOW COVER. SHELTER HOUSE, ANTENNA TOWER, ANTENNA, AND TEMPERATURE UNIT ARE VISIBLE BEHIND THE PRECIPITATION GAGE.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W, Calgary, Alberta.T3C 1A6.



USDA-SCS-PORTLAND OR 1978

WATER SUPPLY OUTLOOK FOR UTAH

and FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

R. M. DAVIS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by

GEORGE D. McMILLAN

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE SALT LAKE CITY, UTAH

In Cooperation with

UTAH STATE DEPT. OF NATURAL RESOURCES

DEE C. HANSEN
State Engineer
Division of Water Rights

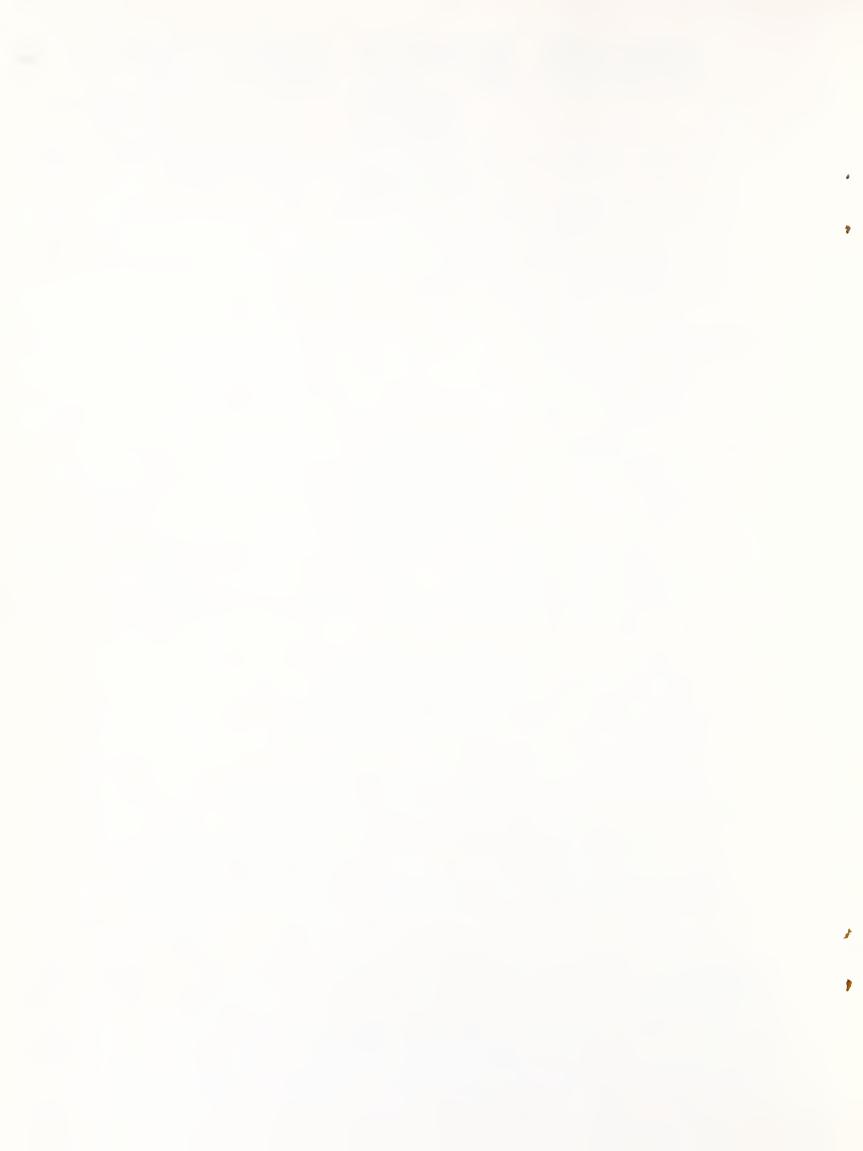
DANIEL F. LAWRENCE
Director
Division of Water Resources

Report prepared by

BOB L. WHALEY, Snow Survey Supervisor KENNETH C. JONES, Assistant Snow Survey Supervisor and

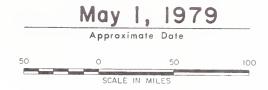
LINDA K. LYTTON, Statistical Assistant

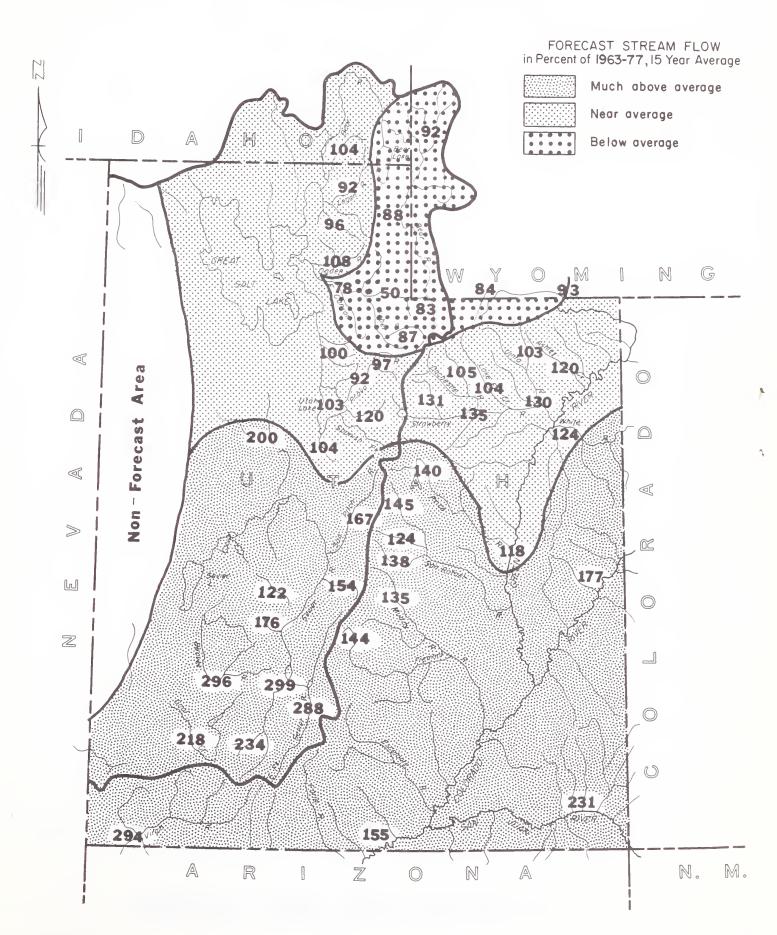
SOIL CONSERVATION SERVICE SNOW SURVEY SECTION 4012 FEDERAL BUILDING SALT LAKE CITY, UTAH 84138

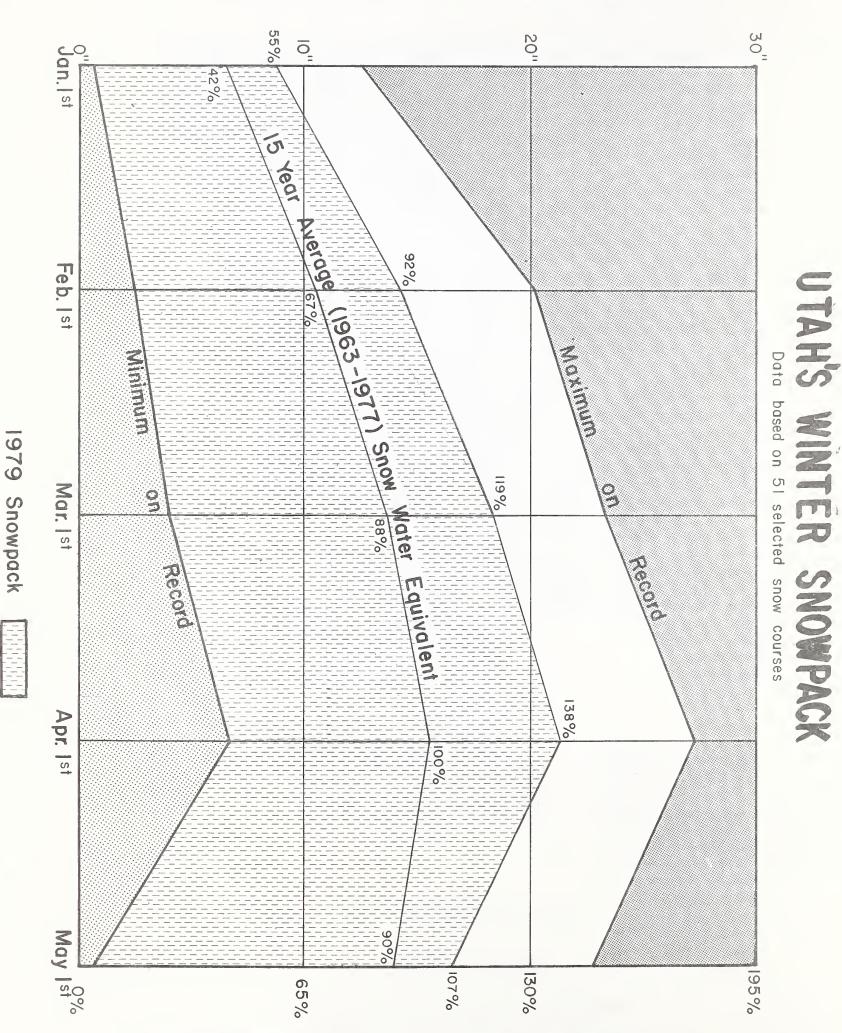


PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS







PERCENT OF APRIL IST SNOW WATER EQUIVALENT

as of May 1, 1979

SNOW COVER

Snow surveys taken about May 1 range from 76% of average on the north slope of the Uintahs to 343% on the Blue Mountains near Monticello. Coal Creek is 229%, the Upper Sevier 227% and the Virgin River 197% of the May 1 average. The snow on medium elevation snow courses in this area was very wet and ready to melt and low elevation courses were already bare. The San Rafael was 125%, Fremont 156%, Price River 129%, Beaver 192%, and Lower Sevier 113%.

Vernon Creek had about three times its May 1 average, Strawberry River about 157%, Provo 110%, Weber 95%, Ogden 113%, Upper Bear 80%, and Lower Bear 96%. South slope Uintah Basins ranged from 94% on Lakefork and Yellowstone to 127% for the Uintah and Whiterocks. Ashley Creek is 97% of average.

PRECIPITATION

April precipitation was generally below average at mountain stations varying from 14% of average at Little Grassy in the southwest corner of the state to about 200% at Merchant Valley on the Beaver. All stations in northern and central Utah were below average. Most stations in central and eastern Utah were half average or less.

SOIL MOISTURE

Watershed soils range from below average in the northern half of the state to above average in southern Utah.

RESERVOIR STORAGE

Utah's 23 major irrigation reservoirs are 105% of the May 1. average. Reservoirs in the Sevier and Uintah Basins are still below average.

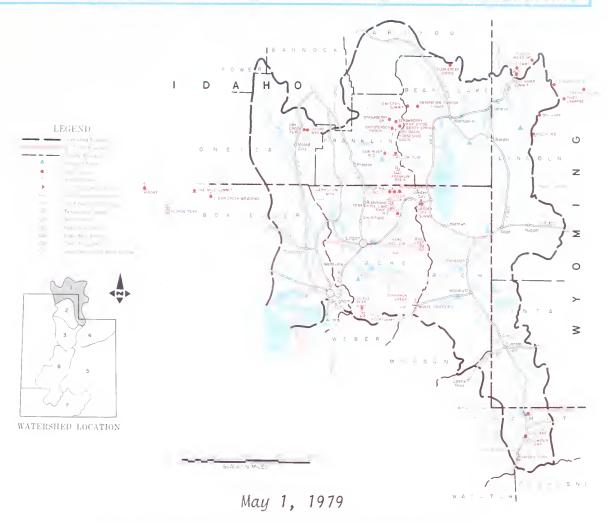
STREAMFLOW FORECASTS

Streamflow forecasts for the May-July period range from 50% of average on Chalk Creek to 299% on the Sevier at Kingston. Snow melt is progressing well in southern Utah with peak flows past on the Virgin and Santa Clara unless above average precipitation and/or temperature occurs in the next two or three weeks.

Snow melt in northern Utah is not producing as much streamflow as expected. Dry soils are reducing the amount of melt water getting into the streams. However, all water users are expected to have near average to well above average water supplies.

BEAR RIVER BASIN in UTAH

UNITED STATE DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES - DIVISION OF WOLES RESULT



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 80% of average on the Upper Bear to 96% on the Lower Bear.

PRECIPITATION at mountain stations ranged from 30% of the April average for Willow Flat on Cub River to 81% at Monte Cristo R.S.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS dropped again due to low April precipitation and now range from 67% of average for the Bear near Randolph to 96% for Little Bear near Paradise. Logan River is forecast 92% of the May-July average. Cub River is forecast 104% of the May-September average.

TREAMFLOW FORECASTS	FORECAST	IIS YEAR	THOUSANO	RECORD ACRE EEST	SUMMARY OF SNOW MEASUREMENTS (COMPARISON W	Number of		
BASIN, STREAM and/or FORECAST POINT	Thousand Parce	FORECAST PERIOD	Last Year 2	Average +	RIVER BASIN and or SUB-WATERSHED	Crauses Averaged	Lest Year AS	A PERCENT OF
	Acre Feet Ave	eraga PERIOO						
BEAR RIVER					BEAR RIVER	22	80	89
Bear nr UT-Wyo. State Line Bear nr Woodruff	90 8 100 7	May-July		109 126	UPPER BEAR RIVER	10	72	80
Woodruff Crk nr Woodruff, UT Big Creek nr Randolph, Utah	12.5 7	77 May-July	14.7	16.3 4.8b	LOWER BEAR RIVER	12	88	96
Bear nr Randolph Thomas Fork nr UT-Wy State Ln	62 6		49	92	LOGAN RIVER	6	82	93
Smith's Fork nr Border, Wyo. Bear at Harer, Idaho 1/	110 9	Apr-Sept May-Sept	160	120 271				
Logan nr Logan 1/ Blacksmith Fork nr Hyrum	96 9	2 May-July	118	104				
Little Bear nr Paradise	25 9	6 May-June	16.8	26				
Cub River nr Preston, ID	51 10		33	. 49				
2 - Provisional flows - Subject	to correc	ction	diversi	ons				
b - Average of all past record	-less than	15 years						
<pre>1 - Observed flow corrected for 2 - Provisional flows - Subject b - Average of all past record</pre>	to correc	ction	diversi	ons				

RESERVOIR STORAGE (Thousand Acre Feet)

		Usable	US	EABLE STORA	G E
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Averaget
BEAR RIVER	Bear Lake Woodruff Narrows	1421.0 26.5	1091.7 26.5	847.8 26.5	1098.4 25.7
LITTLE BEAR	Hyrum Porcupine	15.3 11.3	10.5 11.3	10.9 11.4	13.4 8.7
+ - 1963-77 15 e - estimated	year Average Period				

FORECAST POINT	PEAK FLOW (SECOND FEET)					
FORECAST POINT	Forecasi Range	Averege †				
Bear River nr UT/WY Stateline	1100-1500	1600				
Big Creek nr Randolph	50-90					
Logan River nr Logan	850-1100	1016				
Woodruff Creek nr Woodruff	200-400	267				
Little Bear nr Paradise	460-780	517				

WOW		THIS YEAR		PAST P	ECORO	SNOM		THIS YEAR		PAST R	RECORO
ORAINAGE BASIN and/or SNOW COURSE	Dete	Snow Oapth	Weter Contant	Weter Cont	mt (inches)	ORAINAGE BASIN and/or SNOW COURSE	Date	Snow Oroth	Water Content		ent (inches)
NAME	of Survey	(inches)	(Inchee)	Lest Year	Average †	NAME	of Survey	(Inches)	(Inches)	Last Year	Average
Burts-Miller Ranch	4/26	0	0.0	0.0	3.0	Little Bear Lower	4/26	0	0.0	0.0	2.1
Cub River R.S.	4/26	0	0.0	0.0	0.0	Little Bear Upper	4/25	20	8.4	0.0	6.7
migrant Summit		Data De	layed		ĺ	Monte Cristo	4/25	54	24.7	28.9	27.6
ranklin Basin	4/25	56	24.8	33.5	27.0a	Salt River Summit	4/27	34	14.2	19.4	15.4
ayden Fork	4/26	33	13.5	16.9	16.7	Stillwater Camp	4/26	17	6.1	4.3	10.2
Tondike Narrows	4/25	32	15.1	19.0	16.8	Tony Grove R.S.	4/25	10	4.2	0.0	3.8
		Ì									1
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UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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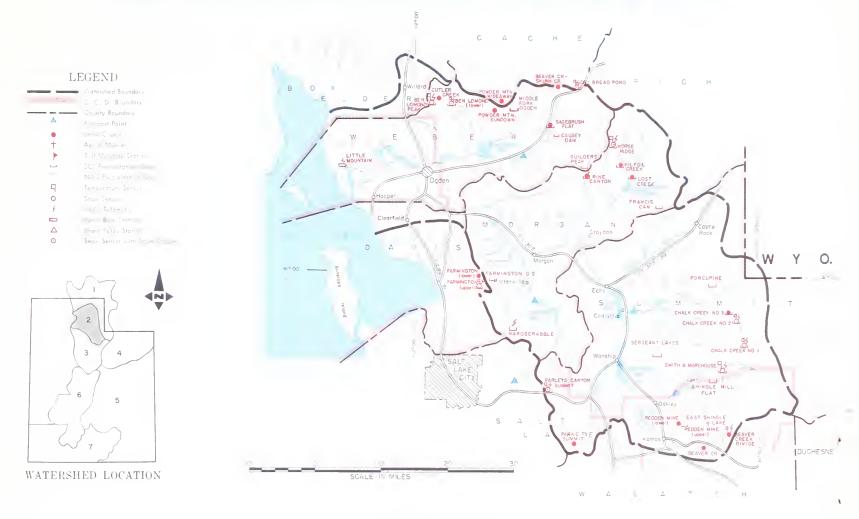


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WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS.



May 1, 1979

WATER SUPPLIES WILL BE NEAR AVERAGE

SNOW COVER ranges from 95% of average on the Weber to 113% on the Ogden.

PRECIPITATION at mountain stations ranged from 42% to 90% on the Weber and 62 to 81% on the Ogden.

SOIL MOISTURE is near average on the Ogden, but below average on the Weber.

RESERVOIR STORAGE is above average and most reservoirs are expected to fill as snow melt progresses.

STREAMFLOW FORECASTS have been reduced again this month due to less than average April precipitation and now range from 50% on Chalk Creek to 119% on Lost Creek. The Weber at Oakley is forecast 81% and Pineview Inflow 108% of the May-June average.

TREAMFLOW FORECASTS		THIS YEAR	n	PAST	RECORO	SUMMAR	Y of SNOW MEASURE	MENTS (COMPARISON W	TH PREVIOUS YEARS		
BASIN, STREAM and/or FORECAST POINT	FORE Thousand Acra Feel	Percent of Average	FORECAST PERIOD	Lest Year 3			RIVER BASIN and	≥ SUB-WATERSHED	Number of Courses Averaged	THIS YEAR A	A PERCENT OF
WEBER-OGDEN RIVERS						OGDI	EN RIVER		4	87	113
Weber nr Oakley Rockport Reservoir Inflow ¹ Chalk Creek at Coalville Weber nr Coalville Lost Creek nr Croydon, Utah, East Canyon Creek nr Morgan ¹ Hardscrabble Crk nr Portervil South Fork Ogden nr Huntsyill Pineview Reservoir Inflow ² Weber at Gateway JORDAN RIVER & SALT LAKE	15.4 1el4.2	81 78 50 77 119 89 87 107 108 78	May-June May-June May-June May-June May-June May-June May-June May-June	30 12.3 25 42 76	96 98 33 104 12.6 17.3 16.3b 42 76 238	WEBI	ER RIVER		11	89	95
Farmington Crk nr Farmington 1 - Observed flow corrected for 2 - Inflow record as computed to a provisional flows - Subject to - Average of all past record + -1963-77 15 year average per	change y U.S. to Cor - 1ess	Bureau rectio	of Recla n	divers	6.9						

RESERVOIR STORAGE (Thousand Acre Feet)

		Uzeble	US	EABLE STORAC	3 E
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Lest Yeer	Average†
OGDEN	Causey	6.9	4.7	4.7	2.31
	Pineview	110.1	92.0	94.4	76.9
WEBER	East Canyon	48.1	43.3	41.3	33.1
	Echo	73.9	63.0	64.5	55.2
	Lost Creek	20.0	15.2	16.7	13.9
	Rockport	60.9	40.4	49.8	37.2
	Willard Bay	193.3	164.1	183.9	162.9

FORECAST POINT	PEAK FLOW (SECOND FEET)						
PORECAST POINT	Forecest Range	Average 1					
South Fork Ogden nr Huntsville Chalk Creek nr Coalville	500-700 100-300	772 					

NOW	THIS YEAR		PAST RECORD SNOW				THIS YEAR	PAST RECORD			
DRAINAGE BASIN and/or SNOW COURSE	Dete	Snow Depth	Weter Content	Weter Cont	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Dete	Snow Depth	Weter Content	Water Conti	ent (inchee)
NAME	of Survey	(Inches)	(Inchee)	Last Year	Average †	NAME	of Survey	(inchee)	(Inches)	Lost Year	Average 1
Beaver Creek R.S. Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Dry Bread Pond	4/24 4/25 4/25 4/25 4/26 4/26 4/26 4/25	0 16 93 35 50 29 0 44	0.0 7.4 44.6 15.4 20.4 11.3 0.0 19.3	0.0 3.6 56.9 24.4 10.6 0.0 21.4	1.3 7.1 37.2 7.7b 25.4 15.3 3.5 19.0	Horse Ridge Lost Creek Reservoir Monte Cristo Parleys Canyon Summit Sagebrush Flat Smith & Morehouse Trial Lake e - estimated	4/25 4/25 4/25 4/30 4/25 4/26 4/24	44 0 54 26 0 18 67	20.0 0.0 24.7 11.6 0.0 7.1 25.0	21.6 0.0 28.9 20.8 0.0 6.5 30.4	20.81 0.01 27.6 14.6 0.0 10.0 26.1

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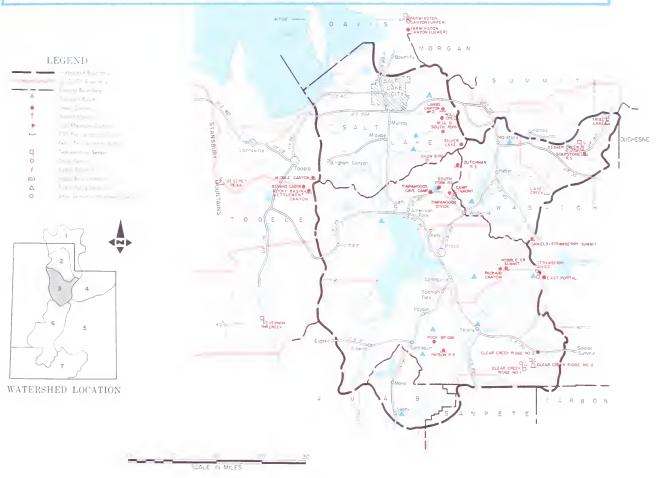
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TINCT OLAC III

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



May 1, 1979

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER varies from 109% along the Salt Lake front to 113% in Tooele Valley. Vernon Creek measured about three times average and Beaver Creek Divide only about half average.

PRECIPITATION at mountain stations was below average and ranged from 23% of the April average at Timpanogos Divide to 78% at Vernon Creek.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 83% on Emigration Creek to 200% for Vernon Creek near Vernon. The Provo River is forecast 97% at Hailstone and 102% at Deer Creek Dam. Strawverry Reservoir is forecast 129%.

STREAMFLOW FORECASTS		THIS YEAR	R	PAST	REÇORO	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARS)		
	FORE		FORECAST	THOUSAND	ACRE FEET	RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIDO	Lest Year 2	Average †	ALVER DESIGNATION OF THE PROPERTY OF THE PROPE	Avaraged	Last Year	Average
PROVO RIVER AND UTAH LAKE						PROVO RIVER & UTAH LAKE	11	79	110 _
Provo nr Hailstonel Provo below Deer Creek Daml American Fork nr American For	90 100 k 29	97 102 104	May-July May-July May-July		106 100 28	JORDAN RIVER & SALT LAKE	6	100	109
Hobble Creek or Springville Strawberry Reservoir Inflow ¹ Spanish Fork at Thistle Payson Creek nr Payson Utah Lake Inflow	17.3 54 33 5.3 180	120 129 110 104 103	May-July May-July May-July May-July May-July	50 	14.4b 42 30b 5.1b 174.3	TOOÉLE VALLEY	4	115	113
JORDAN RIVER & SALT LAKE Little Cottonwood Crk nr SLC Big Cottonwood nr SLC Parley's Creek nr SLC Mill Creek nr SLC Emigration Creek nr SLC City Creek nr SLC	31 34 10.9 5.5 2.4 6.1	102	May-July May-July May-July May-July May-July May-July	38 16 	35 34 12.1 5.4 2.9 6.9	1 - Observed flow corrected for2 - Provisional flows - Subjecta - Partly estimated			d diversion:
TOOELE VALLEY Vernon Creek nr Vernon Settlement Crk nr Tooele	1.2	200	May-July May-July		0.6				

RESERVOIR STORAGE (Thousand Acre Feet)

HEDERITORI OTORNAL (THE						FERR FLUWS		
		Usable	U	SEABLE STORA	GE		PEAK FLOW (SEC	ONO FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Average†	FORECAST POINT	Forecast Range	Average +
SPANISH FORK	Strawberry	270.0	176.3	164.3	166.0	Hobble Creek nr Springville Spanish Fork nr Thistle	150 - 250 450 - 650	260b 482b
UTAH LAKE	Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	898.0 0.8 0.6	792.9 0.8 0.6	775.5	Big Cottonwood nr Salt Lake City	400 - 550	
PROVO	Deer Creek	149.7	93.7	119.4	115.1			

NOW		THIS YEAR		PAST R	ECORD	SNOW		THIS YEAR		PAST R	ECDRO
DRAINAGE BASIN and/or SNDW CDURSE	Data	Snow Depth	Wetar Contant	Water Conti	ent (inches)	DRAINAGE BASIN and/or SNDW CDURSE	Data	Snow Depth	Water Contant	Water Conte	mt (inches)
BMAN	of Survey	(Inches)	(Inches)	Lest Year	Average †	NAME	of Survey	(Inches)	(Inches)	Last Yasr	Avarage †
Bevans Cabin Camp Altamont Clear Creek #1 Clear Creek #2 Clear Creek #3 Daniels-Strawberry Summit Deseret Peak Dutchman R.S. Hobble Creek Summit Lambs Canyon #2 Middle Canyon	4/28 4/26 4/25 4/25 4/25 4/25 4/24 4/25 4/26 4/24 4/30 4/28	13 26 46 34 0 29 69 32 32 32 16 28	3.6 12.5 19.1 13.4 0.0 12.7 24.9 13.8 13.5 6.1 12.5	0.0 17.6 22.8 13.2 0.0 16.2 36.7 22.0 13.5 11.5	5.9 7.7 17.7 10.5 0.1 9.5 9.8 7.7 	Mill D South Fork Parleys Canyon Summit Payson R.S. Rocky Basin-Settlement Canyon Silver Lake Brighton Soapstone R.S. South Fork R.S. Timpanogos Divide Trial Lake Vernon Creek	4/26 4/30 4/25 4/25 4/26 4/24 4/26 4/24 4/27	33 26 41 72 63 16 Not Mea 53 67 30	14.6 11.6 16.6 27.8 31.4 5.6 sured 24.0 25.0 13.0	16.8 20.8 21.5 38.2 36.5 4.7 35.6 30.4 6.5	16.2 14.6 15.8 30.2 27.6 7.9 22.0 26.1 4.0b
Mill Creek	4/25	52	19.5	23.2		a - Partly Estimated e - Estimated					

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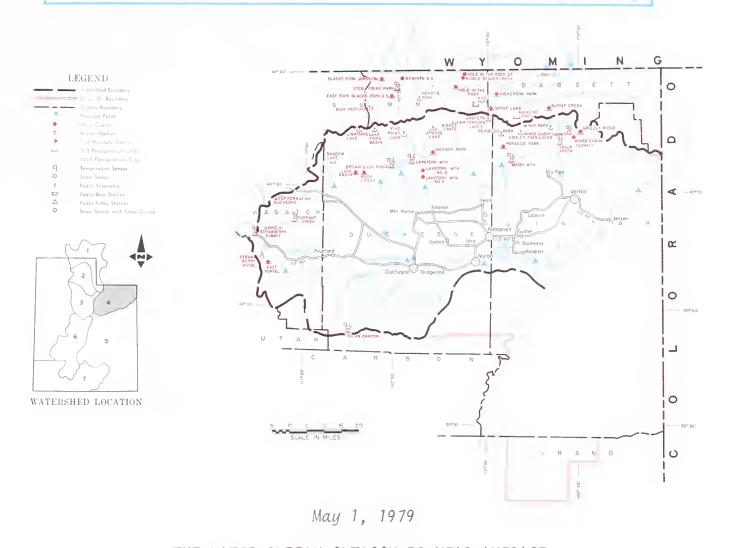


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UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 76% of average on the north slope to 157% on Strawberry River. High aerial markers along the ridge of the Uintahs show near average snow water contents.

PRECIPITATION at mountain locations ranged from 21% of the April average at Currant Creek to 75% at Lakefork Mountain.

SOIL MOISTURE is near average on the south slope of the Uintahs, but below average on the north slope.

RESERVOIR STORAGE is still below average.

STREAMFLOW FORECASTS range from 81% on Henrys Fork to 135% for Strawberry at Duchesne. Lakefork is 104%, Ashley Creek 120%, and Duchesne at Tabiona 98%.

STREAMFLOW FORECASTS		THIS YEA	R		RECORO
		CAST	FORECAST	THOUSAND A	ACRE FEET
BASIN, STREAM and/or FORECAST POINT	Thousand Acra Faet	Percent of Average	PERIOO	Last Year 2	Average +
DUCHESNE RIVER					
Duchesne nr Tabional Duchesne at Duchesnel Strawberry at Duchesne Rock Creek nr Mtn. Home Currant Creek nr Fruitland Lakefork below Moon Lakel Yellowstone nr Altonah Duchesne at Mytonl Whiterocks nr Whiterock Uintah nr Meola Duchesne at Randlettl West Fork Duchesne at Hanna	96 170 65 96 21 72 66 250 60 88 275	98 94 135 105 131 104 105 130 103 99 124	May-July	112 15 67 51 46 68 134	98 180 48 91 16 69 63 193 58 89 222 24
FLAMING GORGE TO DUCHESNE RIVER Henry's Fork at Manila Black's Fork at Millburne Flaming Gorge Inflowl Ashley Creek nr Vernal	44 77 1200 60	81 84 93 120	Apr-Sept May-July Apr-July	 1470	54 92 1292 50

RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
	Averaged	Lest Year	Average
DUCHESNE RIVER - TOTAL	11	104	124
LAKEFORK-YELLOWSTONE CREEKS	2	105	94
STRAWBERRY RIVER	3	101	157
UINTAH - WHITEROCKS RIVERS	2	105	127
ASHLEY CREEK	2	89	97
BLACK'S FORK	4	84	76

1 - Observed flow corrected for change in storage and diversions 2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

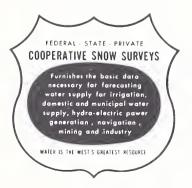
		Usabla	US	EABLE STORA	G E
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Lest Year	Average†
ASHLEY CREEK	Steinaker	33.3	15.3	10.2	23.7
GREEN RIVER	Flaming Gorge	3749.0	2475.0	2065.0	
LAKE FORK	Moon Lake	35.8	12.0e	14.2	19.0
STRAWBERRY	Starvation	165.3	101.3	127.0	129.1
UINTAH	Bottle Hollow	11.3	10.8	10.1	10.78

FORECAST POINT	PEAK FLOW (SEC	ONO FEET)	
FURECASI PUNI	Forecest Range	Average	
Strawberry at Duchesne	900-1450	656	
Ashley Creek nr Vernal	750-1200	1030	

WONS		THIS YEAR			RECORO	SNOW		THIS YEAR		PAST P	RECORO
ORAINAGE BASIN and/or SNOW COURSE	Deta of Survey	Snow Depth (Inches)	Weter Contant (Inches)		ent (inches)	ORAINAGE BASIN and/or SNOW COURSE	Oate	Snow Oepth	Water Content	Water Conti	ent (inches)
NAME	ar survey	(inches)	(Inches)	Lest Year	Average .T	NAME	of Survey	(inches)	(Inches)	Last Year	Average †
Brown Duck Ridge	4/24	63	21.5	23.6	20.2e	Lakefork Mountain	4/24	36	10.7	12.3	11.9
Currant Creek	4/24	13	5.9	3.4	2.3ъ	Mosby Mountain	4/24	40	11.9	13.0	9.9
Daniels-Strawberry	4/24	29	12.7	16.2	9.5	Paradise Park	4/24	54	18.8	16.2	14.3
Hewinta G.S.	4/26	22	9.0	8.3	10.4	Rock Creek Ranch	4/24	0	0.0	0.0	1.3
Hickerson Park	4/26	22	7.0	3.9	5.9Ъ	Spirit Lake	4/26	44	15.3	12.1	15.5
Hole-in-the-Rock	ì	Not Mea	sured			Steel Creek Park	4/26	45	14.2	18.5	18.7
Hole-in-the-Rock G.S.	ļ	Not Mea	sured			Strawberry Divide	4/30	48	20.1	20.1	
Jackson Park	4/24	48	16.0	15.8		Trout Creek	4/24	33	9.9	9.4	
Kings Cabin Upper	4/24	35	9.8	10.2	10.3						
						e - estimated					
					1						

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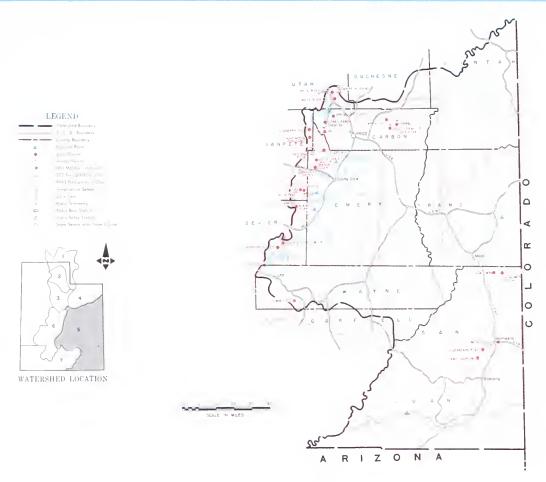


POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



May 1, 1979

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER varies from 125% on the San Rafael to 343% of the May 1 average on the Blue Mountains above Blanding and Monticello. Snow courses on Blue Mountains set a new May 1 record water content, about two inches higher than May 1, 1973.

PRECIPITATION at mountain stations ranged from 14% of the April average on Huntington Creek to 167% at Fish Lake. LaSal and Blue Mountains were about half average.

SOIL MOISTURE is above average in the mountains and near capacity in the valleys.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 118% for the Green at Green River to 231% for the San Juan near Bluff. Scofield inflow is forecast l42%, Cottonwood 124%, Ferron Creek 138%, and Muddy Creek 135%.

TREAMFLOW FORECASTS		THIS YEA	R	PAST	RECORO	SUMMARY OF SHOW MEASUREMENTS ICOMPARISON WITH	H PREVIDUS YEARSI		
BASIN, STREAM and/or FORECAST POINT	FORE Thousand Acra Fest	Parcent of Average	FORECAST PERIDO	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS	A PERCENT OF Average
PRICE RIVER						PRICE RIVER	3	92	129
Gooseberry Crk nr Scofield Scofield Reservoir Inflow Price nr Heiner ¹	13.0 45 73	138 142 140	May-July May-July May-July	46	9.4 31 52b	SAN RAFAEL RIVER	6	81	125
SAN RAFAEL RIVER	/ / /	140			320	FREMONT RIVER	3	165	156
Huntington Crk nr Huntington Cottonwood Crk nr Orangeville	61 51	145	May-July May-July		45b 41b	LASAL MOUNTAINS	2	102	181
Ferron Creek nr Ferron	44	138	May-July		32	BLUE MOUNTAINS	2	338	343
1UDDY CREEK Muddy Creek nr Emery	21	135	May-July	25	15.5				
JPPER COLORADO BASIN Colorado nr Cisco, Utah Green at Green River, Utah Mill Creek nr Moab Navajo Reservoir Inflow San Juan nr Bluff, Utah	4800 3500 7.2 1400 2000	177 118 167 230 231	Apr-July Apr-July May-July Apr-July Apr-July	3560	2835 2839 4.3b 597 853				
REMONT RIVER Seven Mile Crk nr Fish Lake	8.2	144	May-July		5.7	1 - Observed flow corrected for 2 - Provisional flows - Subject			d diversi

RESERVOIR STORAGE (The	ousand Acre Feet)					PEAK FLOWS		
		Usebla USEABLE STORAGE			G E		PEAK FLOW (SEC	OND FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Average POINT		Foracest Ranga	Average +
PRICE RIVER	Scofield	65.8	40.7	26.1	36.9	Ferron Creek near Ferron Muddy Creek near Emery	550-750 150-250	422 154
SAN RAFAEL	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	3.7 40.7 11.1	3.8 29.2 3.8	3.9b 39.1b 			
SAN JUAN	Navajo	1696.0	1247.8	1029.0				
	Year Average Period		15					

b - Average of all past recor	d – less	than'l	years'	,		11		ł		J	
SNOW		THIS YEAR		PAST F	ECORD	SNOW		THIS YEAR		PAST R	RECORD
DRAINAGE BASIN and/or SNOW COURSE	Dete	Snow Depth	Weter Contant	Weter Cont	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Depth	Water Contant	Weter Conta	ant (inches)
NAME	of Survey	(Inches)	(Inches)	Lest Year	Average †	NAME	of Survey	(Inches)	(Inches)	Last Year	Average †
Buck Flat	4/25	50	19.9	26.4	15.4	Mammoth-Cottonwood R.S.	4/26	54	25.0	30.3	19.1
Buckboard Flat	4/25	50	22.0	4.6	7.1	Monticello City Park	4/26	0	0.0	0.0	
Camp Jackson	4/25	52	22.3	8.5	5.8	Mud Creek	4/27	27	9.6	12.7	7.9
Dills Camp	4/25	31	11.1	20.1	9.9a	Seeley Creek	4/25	54	20.5	24.8	17.2
Dry Valley Divide Alternate	4/25	16	5.6	1.8		White River #1	4/25	38	15.4	14.4	10.5
Huntington-Horseshoe	4/26	70	30.0	39.3		White River #3	4/27	0	0.0	0.0	1.0
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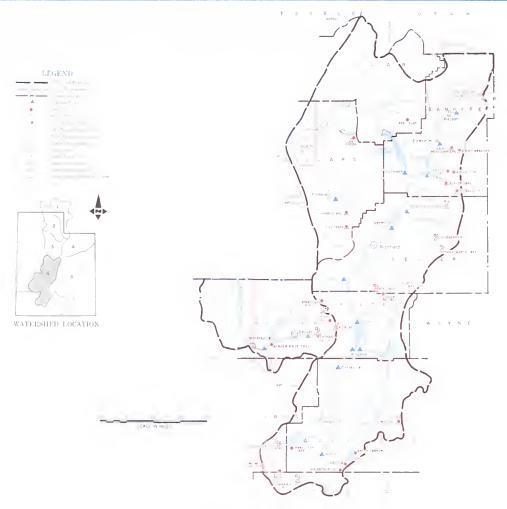


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE



SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



May 1, 1979

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE TO EXCELLENT

SNOW COVER ranges from 113% of the May 1 average on Lower Sevier to 252% on the South Fork above Kingston. The East Fork is now 175% and Beaver 192%.

PRECIPITATION at mountain stations ranged from 38% of the April average at Mt. Baldy on the Lower Sevier to 197% at Panguitch Lake on the Upper Sevier.

SOIL MOISTURE is above average on the Upper Sevier and near average on the Lower Sevier.

STREAMFLOW FORECASTS range from 117% for Chicken Creek near Levan to 229% for the South Fork Sevier near Kingston. The Sevier is forecast 234% at Hatch and 150% at Gunnison. Chalk Creek is forecast 122% and Beaver River 172% at Beaver and 296% for Minersville inflow.

RESERVOIR STORAGE on the Sevier is still below average. Minersville Reservoir is 117% of its May 1 average.

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

21KFWMLFOM LOKECY212	THIS YEAR		PAST	RECORO '	SUMMARY OF SHUW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)				
	FORE	CAST	FORECASY	THOUSAND		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feer	Parcent of Avaraga	PERIOO	Last Year 2	Average +	HYER DOSH SHE OF SOUR PROCESSION	Averaged	Last Year	Average
SEVIER RIVER		T				UPPER SEVIER RIVER	9	162	227
Sevier at Hatch	82	234	May-July	45	35	East Fork Sevier	3	152	175
Sevier nr Circleville	60	261	May-July		23	South Fork Sevier	6	166	252
Sevier nr Kingston	52	299	May-July		16.9			1	
Antimony Crk nr Antimony	12.5	223	May-July		5.7Ъ	LOWER SEVIER	8	84	113
East Fork Sevier nr Kingston	30	288	May-July		10.5				
Sevier below Piute Dam	79	293	May-July		27	BEAVER RIVER	3	103	192
Clear Crk nr Sevier (abv Div)	27	176	May-July	Street Mallin	15.3				
Inflow									
Kingston to Vermillion Dam		180	Apr-June		50				
Vermillion Dam to Gunnison	50	143	Mar-June		35				
Salina Creek at Salina	16.0	154	May-June		10.4				
Sevier nr Gunnison	57	150	May-July		38				
Chalk Creek nr Fillmore	16.0	122	May-July		13.1				
Chicken Creek nr Levan	2.8	117	May-July		2.4				
Oak Cr. nr Oak City	(DATA 1	OT AVA	ILABLE)						
SAN PITCH RIVER									
Ephraim Creek nr Ephraim	22.0	167	May-July		13.2b				
Pleasant Crk nr Mt. Pleasant	11.5	146	May-Jul∤		7.9Ъ				
BEAVER RIVER] - Observed flow corrected f			id diversions
Beaver nr Beaver North Creek (Combined) Minerville Reservoir Inflow	15:3 16:3	132 296	May-July May-June	34	18:8 _b	2 - Provisional flows - Subje	ct to corre	ection	

RESERVOIR STORAGE (Thousand Acre Feet)

EA			

						I LAN I LUNG		
		Usable	US	EABLE STORA	G E		PEAK FLOW (SEC	OND FEET)
BASIN OR STREAM	RESERVOIR	Capacity	This Year	Last Year	Average†	FORECAST POINT	Forecast Range	Average +
SEVIER RIVER	Gunnison Otter Creek Piute	18.2 52.5 71.8	17.2 43.7 45.4	9.4 32.3 24.2	14.9 39.5 47.1	Sevier River at Hatch Sevier River nr Kingston	800 - 1200 700 - 1000	428
BEAVER PIVER	Sevier Bridge Minersville (Rk	236.0	123.9	103.7	144.6	Clear Creek nr Sevier Salina Creek nr Salina Beaver River nr Beaver	350 - 450 700 - 900 350 - 550	211
	Fd) all past record - Year Average Perio		15 years					

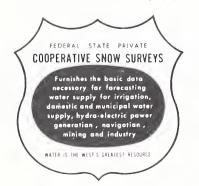
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STREAMELOW ENDERASTS

WOW		THIS YEAR		PAST R	ECDRD	SNOW		THIS YEAR		PAST R	ECDRD
DRAINAGE BASIN and/or SNDW CDURSE	Date	Snow Depth	Water Content	Water Conti	ent (inches)	DRAINAGE BASIN end/or SNDW CDURSE	Date	Snow Depth	Water Content	Water Conti	ent (anches)
NAME	of Survey	(inches)	(Inches)	Last Year	Average +	NAME	of Survey	(Inchas)	(Inches)	Last Year	Average †
Big Flat Bryce Canyon Castle Valley Duck Creek Farnsworth Lake Gooseberry R.S.	4/30 4/30 4/23 4/26 4/30 4/30	75 7 54 52 55 15	30.2 2.9 22.2 25.4 22.4 6.2	30.2 0.0 8.5 18.6 24.0 9.0	18.6 	Harris Flat Kimberly Mine Long Valley Junction Merchants Valley Upper Midway Valley Otter Lake Pickle Keg Springs Widtsoe-Escalante #3	4/26 4/30 4/26 4/30 4/26 4/30 4/25 4/23	27 51 0 37 94 57 44 57	20.2 22.4 0.0 15.8 42.2 24.4 16.7 21.2	2.4 17.4 0.0 13.2 36.2 24.8 22.2 12.8	2.1 15.8 0.00 5.90 21.5 12.1 15.10 9.0

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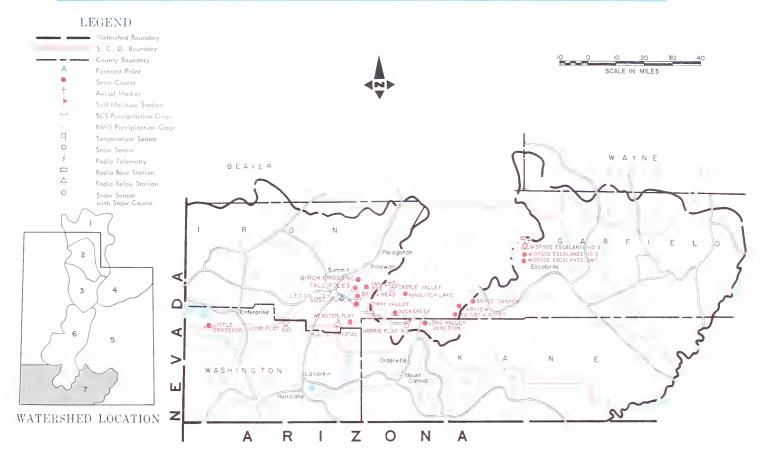


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE



EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER STATES



May 1, 1979

THE WATER SUPPLY OUTLOOK IS EXCELLENT

SNOW COVER ranges from 145% on Parowan Creek to 229% of the May 1 average on Coal Creek. Virgin River is now 197% of average.

PRECIPITATION at mountain stations varied from 14% of the April average at Little Grassy to 129% at Yankee Reservoir.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 155% for the inflow to Lake Powell to 294% on the Virgin near Hurricane.

STREAMFLOW FORECASTS		THIS YEAR	A		RECORO	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WIT	H PREVIOUS YEARS)		
		CAST	FORECAST	THOUSANG A		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASIN, SYREAM end/or FORECASY POINY	Thousand Acre Pees	Percent of Average	FERIOO	Lest Year 2	Averegs *		Averaged	Last Year	Average
VIRGIN RIVER						COAL CREEK	3	117	229
Virgin nr Hurricane	91		May-June		30	VIRGIN RIVER	3	101	197
Santa Clara nr Pine Valley	anta Clara nr Pine Valley 5.5 145 May-June		3.8	PAROWAN CREEK	4	130	145		
COAL CREEK									
Coal Creek nr Cedar City	31	218	May-July	~ -	14.2				
UPPER COLORADO									
Lake Powell Inflow	10800	155	Apr -July	8995	6881				
2 - Provisional Flows - Subject	to cor	rectio	n	`					
	:			i					

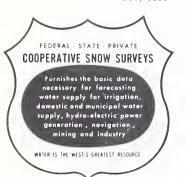
RESERVOIR STORAGE (Thousand Acre Feet)

	1	1	111	SEABLE STORAC	2.6		PEAK FLOW (SEC	ONO ECCT)
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Lest Year	Aversget	FORECAST POINT	Forecast Range	Average +
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	17380.0 274.0	14996.0 289.5		Coal Creek nr Cedar City Virgin nr Hurricane	1000 - 1400 1300 - 1800	269
b - Average of + - 1963-77 15	all past record - year Average Perio	ess than	15 years					

HOW		THIS YEAR		PAST P	ECORO	SNOW		THIS YEAR		PAST R	ECORO
ORAINAGE BASIN and/or SNDW COURSE	Date	Snow Depth	Water Content	Water Content (inches)		ORAINAGE BASIN and/or SNOW CDURSE	Data	Snow Depth	Wetar Content	Water Cent	ent (inches)
NAME	of Survey	(Inches)	(Inches)	Lest Year	Average †	NAME	of Survey	(Inches)	(Inches)	Lest Year	Average
Birch Crossing Brian Head Harris Flat Kolob-Crystal Little Grassy Long Flat	4/30 4/30 4/26 4/30 4/27 4/30	0 73 27 78 0 0	0.0 32.6 20.2 38.9 0.0 0.0	0.0 29.2 2.4 37.0 0.0 0.0	2.5b 20.8b 2.1 22.5a 0.2 2.3	Tall Poles	4/26 4/26 4/30 4/30 4/30	0 24 42 59 25	0.0 11.5 18.8 32.7 10.4	0.0 3.8 14.8 33.6 3.6	0.0 2.5 12.3 13.8 7.0

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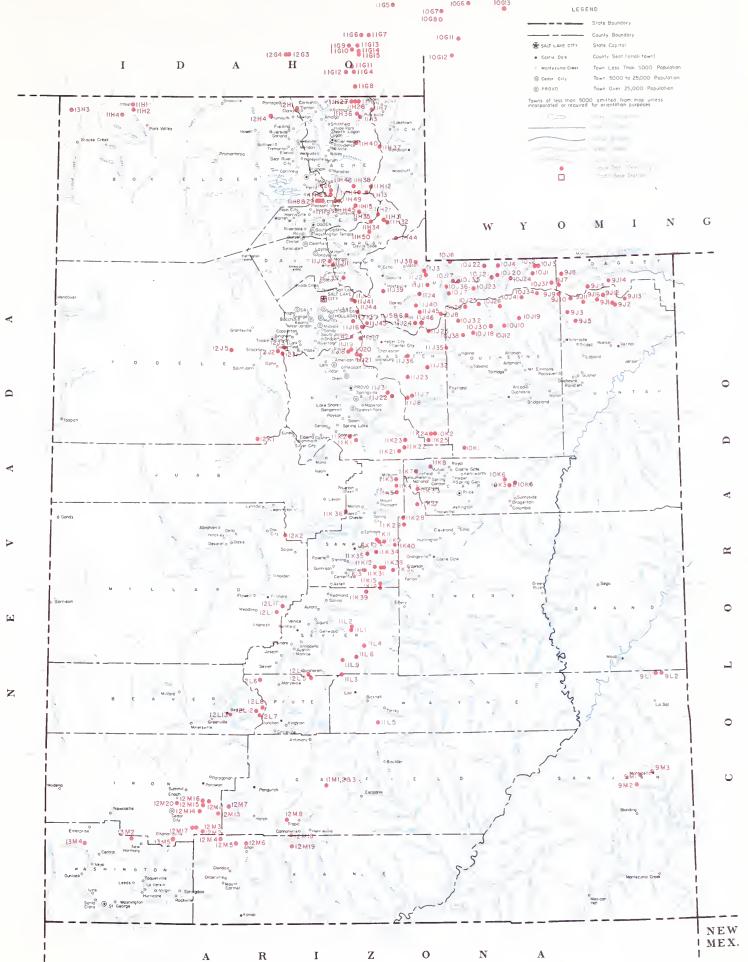
TIRCT ALAS LANGUE

10W		THIS YEAR			ECORD	PRECIPI		(Inches)		2000	
DRAINAGE BASIN and/or SNOW COURSE NAME	Oate of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Cont	Average †	Date of	Month's Precipitation	Average +	FROM A	PPROX. OCT	Percent o
GREAT BASIN	<u></u>			Cast rear	Average 1	Reading	Frecipitation				Average
JPPER BEAR RIVER (Above <u>Harer, Idaho)</u>											
Big Park	4/30	44	17.8	27.4	22.7	1.106	1 07		0.77		
Burts-Miller Ranch CCC Camp	4/26	22	0.0	10.2	3.0	4/26	1.37	2,66Ъ	8.57	14.66b	
Hayden Fork Kelly R.S.	4/26 4/30	33 40	13.5 15.4	16.9 26.4	16.7	4/26	1.50	4.08Ъ	21.43	24.14	89
Monte Cristo R.S. Poison Meadows	4/25 4/30	54 60	24.7	28.9 41.0	27.6	4/25	4.80	5.22	30.42	31.17	98
Salt River Summit Snider Basin	4/27 4/30	34	14.2	19.4 19.6	15.4 16.2	4/27	2.43	2.53	18.31	19.76	93
Stillwater Camp	4/26	17	6.1	4.3	10.2ъ	4/26	1.25	3.40	12.10	15.79	77
OWER BEAR RIVER Below Harer, Idaho)											
Bug Lake	4/26	46	19.1	18.2	19.2a						
Cub River R.S. Franklin Basin	4/26 4/25	0 56	0.0 24.8	0.0 33,5	0.0 27.0a						
Garden City Summit Klondike Narrows	4/25 4/26	42 32	18.1 15.1	17.5 19.0	18.5 16.8	4/25 4/25	1.94 1.04	3.10	21.21 19.03	22.33	95
Little Bear (lower) Little Bear (upper)	4/25 4/25	0 20	0.0	0.0	2.1						
Steep Hollow #1 Steep Hollow #2	4/25	87 49	38.6	47.6	40.8						
Tony Grove Lake	4/25	76 10	34.4	48.8	37.6a	1.105	10		10 11		
Tony Grove R.S. Willow Flat	4/25	22	10.2	0.0 4.2	3.8 5.5b	4/25 4/25	.48 1.38	4.62b	19.62 23.99	27.51	87
GDEN RIVER											
Beaver Creek-Skunk Creek Ben Lomond Peak	4/26 4/25	16 93	7.4 44.6	3.6 56.9	7.1 37.2						
Ben Lomond Trail	4/25	35	15.4	20.9	7.7b	4/25	2.68	5.38ъ	30.84	34.12Ъ	92
Causey Dam Dry Bread Pond	4/25	44	19.3	21.4	19.0	4/25 4/25	1.61 2.80e	2.42 4.44Ъ	15.06	16.64 25.28	91
North Fork Sagebrush Flat	4/25	Not Meas	ured 0.0	0.0	0.0	4/25	1.97	2.48Ъ	15.76	16.83	94
EBER RIVER											
Beaver Creek R.S.	4/24	0	0.0	0.0	1.3						
Chalk Creek #1 Chalk Creek #2	4/26 4/26	50 29	20.4 11.3	24.4 10.6	25.4 15.3						
Chalk Creek #3 East Shingle Lake (A)	4/26 4/27	0 75	0.0	0.0 35.3	3.5	4/26	1.83	3.45ъ	12.25	17.396	70
Farmington Canyon (lower)	4/25	63	29.7	29.9	22.5	4/25	3.88	6.29Ъ	30.54	33.92	90
Farmington Canyon (upper) Farmington G.S.	4/25		35.1	44.1	33,3	4/25	4.94		27.05		
Horse Ridge Killfoil Creek	4/25	34	20.0 14.2	21.6 9.2	20.8ъ 10.3ъ	4/25	3.86	4.74Ъ	27.77	28.38	98
Lost Creek Reservoir Park City Summit	4/26	0 Not Meas	0.0 ured	0.0	0.0ъ	4/25	1.23		12.40		
Parley's Canyon Summit Redden Mine (lower)	4/30	26 Not Meas	11.6 ured	20.8	14.6	4/30	4.54	5.03	23.40	27.58	85
Redden Mine (upper) Sergeant Lake (A)	4/27	36	14.0	20.6			Not Me	sured			
Smith & Morehouse	4/26	18	7.1	6.5	10.0	4/26	1.80	4.26	16.82	22.01	76
ROVO RIVER & UTAH LAKE											
Beaver Creek Divide Camp Altamont	4/24 4/26	10 26	3.8	4.0	8.7a						
Clear Creek Ridge #1	4/25	46	12.5 19.1	17.6 22.8	7.7 17.7						
Clear Creek Ridge #2 Clear Creek Ridge #3	4/25 4/25	34	13.4	13.2	10.5	4/25	1.95	3.31	20.02	19.37	103
Dutchman R.S.	4/25	32	13.8	0.0 22.0	0.1 9.8	4/26	1.50	4.17b		24.99	
Hobble Creek Summit	4/24	32	13.5	13.5	7.7	4/24	1.30	3.20	20.00	24.99	98
Payson R.S. Rock Bridge	4/25	41 Not Meas	16.6	21.5	15.8	4/25	2.20	3.58	24.05	21.53	112
Soapstone R.S.	4/24	Not Meas	ured 5.6	4.7	7,9	4/24	.95	3.57	16.14	19.79	82
South Fork R.S.		Not Meas	ured			., .,	. , ,	3.31	TO • T4	17.77	02
Timpanogos Cave Camp	4/26	0	0.0	.0.0							

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR		PAST R		PRECIPI	RENT INFORM	(Inches)	FROM AF	PROX. OCT	TO OATE
NAME	Oate of Survey	Snow Oepth (Inches)	Water Content (Inches)	Last Year	Average †	Oata of Reading	Menth's Precipitation	Average +	This Year	Average +	Percent e Average
ROVO RIVER & UTAH LAKE cont'	4										
Timpanogos Divide Trial Lake	4/26 4/24	53 67	24.0 25.0	35.6 30.4	22.0 26.1	4/26 4/24	1.00 1.89a	4.30 4.89	31.45	29.39 28.73	107 93
ORDAN RIVER & GREAT SALT LAK	Ē										
Bevan's Cabin Deseret Peak Lamb's Canyon #2 Middle Canyon Mill Creek Mill D South Fork Mt. Dell Dam	4/28 4/25 4/30 4/28 4/25 4/26	13 69 16 28 52 33	3.6 24.9 6.1 12.5 19.5 14.6	0.0 36.7 11.5 4.9 23.2 16.8	5.9 10.4 16.2	4/30 4/28	3.29 3.20	 4.28ъ	20.04	 20.20	 107
Rocky Basin-Settlement Cany Silver Lake (Brighton) Snow Bird (Gad Valley) Vernon Creek	on 4/25 4/26 4/29 4/27	72 63 94 30	27.8 31.4 42.0 13.0	38.2 36.5 51.8 6.5	30.2 27.6 4.0b	4/27	Data Del Data Del 2.00		21.00	17.85	118
PPER SEVIER RIVER South of Richfield, Utah)											
Box Creek Bryce Canyon	4/30 4/30	45 7	17.6	13.6	12.1	4/30	4.72	2.99	24.62	16.88	146
Castle Valley Duck Creek R.S. Farview	4/23 4/26 4/30	54 52 19	22.2 25.4 10.7	8.5 18.6 	7.2 7.8 	4/23	6.20	3.24	29.25	17.13	171
Harris Flat Kimberly Mine Midway Valley	4/26 4/30 4/26	27 51 94	20.2 22.4 42.2	2.4 17.4 36.2	2.1 15.8 21.5	4/30	6.12	4.446	28.50	22.61	126
Panguitch Lake Rainbow Point Squaw Springs	4/23 4/30 4/30	19 36 15	6.5 17.0 6.2	0.4 3.3	0.8 4.6	4/23	2.95	1.50	16.85	9.39	179
Widtsoe-Escalante #3 OWER SEVIER RIVER	4/23	57	21.2	12.8	9.0	4/23	1.60	3.14	25.90	15.21	170
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Majors G.B.R.C. Meadows G.B.R.C. Oaks Gooseberry R.S. Mammoth-Cottonwood Creek	4/25 4/30 4/25 4/25 4/30 4/26	26 55 47 71 15 54	11.5 22.4 20.4 28.8 6.2 25.0	8.7 24.0 20.3 35.6 9.0 30.3	1.4 22.2 16.1 25.1	4/25 4/30 4/25 5/1 4/25 5/1 4/30	1.66 6.01 2.90 2.00 2.30 2.30 4.60	3.27 4.69 4.26 2.15b 5.17 3.01 3.61b	20.50 23.91 24.70 13.85 30.17a 17.15 18.25	16.34 24.25 22.55 10.66 26.84 14.88 16.52b	125 99 110 130 112 115 110
Middle Fork Mt. Baldy R.S. Oak Creek	4/25	Not Mea 80 Not Mea	33.8		24.2	4/25	1.50	3.93	29.80	20.83	143
Pickle Keg Springs Pine Creek Ree's Flat Shingle Mill Thistle Flat	4/25 4/30 4/25 4/27	44 32 28 0 Not Mea	16.7 14.8 9.7 0.0	22.2 24.4 11.4 	15.1b 13.6 3.2b	4/30 4/25 4/27	8.11 2.00 	5.88 3.87b	28.02 17.61 19.25	29.35 19.55	105 98
EAVER RIVER											
Beaver Race Track Beaver Canyon Power House Big Flat Merchant's Valley (upper) Otter Lake	4/27 4/30 4/30 4/30	75 37 57	0.0 30.2 15.8 24.4	0.0 30.2 13.2 24.8	18.6 5.9b 12.1	4/30 4/30 4/30	5.40 5.90 5.96	2.30 3.47 2.96b	22.59 29.49 24.93	10.83 19.00 17.21	209 155 145
AROWAN CREEK											
Birch Crossing Brian Head Tall Poles Yankee Reservoir	4/30 4/30 4/30 4/30	0 73 42 25	0.0 32.6 18.8 10.4	0.0 29.2 14.8 3.6	2.5b 20.8b 12.3b 7.0	4/30 4/30	1.50 3.88	3.48b 3.01	21.55	18.37ь 15.14	117 134
NTERPRISE TO NEW HARMONY RAINAGES											
Little Grassy Creek Long Flat	4/27 4/30	0	0.0	0.0	0.2 2.3	4/27 4/30	.25	1.80 2.27	26.20 21.43	16.29 13.90	161 154

ORAINAGE BASIN and/or SNOW COURSE		THIS YEAR			ECORD ent (inches)	PRECIPI	RENT INFORMA	(Inches)		PROX. OCT I	TO DATE
ORAINAGE BASIN and/or SNOW COURSE NAME	Oate of Survey	Snow Depth (inches)	Water Content (Inches)	Last Year	Average +	Oate of Reading	Month's Precipitation	Average +	This Year	Average +	Percent o
COAL CREEK											
Cedar City Golf Course SUSC Ranch	4/26	Not Meas	ured 11.5	3.8	2.5b						
COLORADO RIVER DRAINAGE											
UPPER GREEN RIVER - UTAH											
Ashley-Twin Lakes (A) Black's Fork G.SEast Fork Black's Fork Junction Buck Pasture (A) Burnt Creek Dutch John Junction	4/27 4/26 4/26 4/27	51 22 15 45 Data De		20.2 9.8 6.4 18.2	16.4b 9.9 8.7 	4/26 4/26	1.24a 1.14a	3.35	11.66	15.29 14.70	76 73
Grizzly Ridge Henry's Fork (A) Hewinta G.S. Hickerson Park King's Cabin (upper)	4/27 4/26 4/26 4/24 4/27	Data De. 36 22 22 35 58	11.5 9.0 7.0 9.8 20.3	16.3 8.3 3.9 10.2	14.0b 10.4 5.9b 10.3	4/26 4/26	1.33a	3.59 3.56b	12.48	16.15 12.97	77 78
Reynolds Park (A) Spirit Lake Steel Creek Park Trout Creek Windy Park (A)	4/26 4/26 4/26 4/24 4/27	44 45 33 36	15.3 14.2 9.9 10.8	17.0 12.1 18.5 9.4 13.0	15.5 18.7 11.0b	4/26		4.94Ъ	18.08	18.55	97
DUCHESNE RIVER											
Atwood Lake (A) Brown Duck Ridge Chepeta-Whiterocks (A) Currant Creek	4/27 4/24 4/27 4/24	42 53 53 13	13.9 21.5 18.6 5.9	15.3 23.6 15.5 3.4	 20.2a 14.9b 2.3b	4/24	.50	2 /15	20.95	~ -	- ~
Daniels-Strawberry Summit East Portal Five Points Lake (A)	4/24 4/30 4/27	29 15 48	12.7 6.8 14.4	16.2 5.5 19.8	9.5 4.4b	4/24 4/30	1.30	2.41b 3.28 2.99b	22.40	16.20 21.09 19.72	135 106 110
Indian Canyon Jackson Park Lakefork Basin (A)	4/25 4/24 4/27	46 48 62	16.9 16.0 21.1	15.0 15.8 24.4	10.9	4/25 4/24	1.22e	2.68	21.88a 18.86	15.46	142
Lakefork Mountain Lakefork Mountain #3 Lightning Lake (A) Mosby Mountain Paradise Park Rock Creek Ranch	4/24 4/24 4/27 4/24 4/24 4/24	36 7 68 40 54	10.7 2.4 23.1 11.9 18.8 0.0	12.3 0.2 24.8e 13.0 16.2	11.9 2.1 9.9 14.3 1.3b	4/24 4/24 4/24	.93 2.33a	3.08 3.18b 3.91	18.23 24.45	15.70 15.18 16.96	102 120 144
Strawberry Divide	4/30	48	20.1	20.1					:		
PRICE RIVER											
Gooseberry Reservoir Dry Valley Divide Alternate	4/25	16	5.6	1.8		4/26	1.70	3.60	26.29	21.71	121
Mud Creek White River #1 White River #3	4/27 4/25 4/27	27 38 0	9.6 15.4 0.0	12.7 14.4 0.0	7.9 10.5 1.0b	4/27 4/25	.70	2.96 2.84	19.15a 19.98	17.21	111 124
SAN RAFAEL RIVER											
Buck Flat	4/25 4/26	50 70	19.9	26.4	15.4	4/25	1.70	3.24	24.45	20.45	120
Huntington-Horseshoe Orange Olsen Red Pine Ridge Seeley Creek R.S. Stuart R.S. Upper Joe's Valley Wrigley Creek	4/27 4/26 4/25 4/27 4/25 4/25	0 42 54 3 19	30.0 0.0 15.9 20.5 0.8 8.0 13.4	39.3 0.0 21.1 24.8 1.8 9.5 13.5	14.8 17.2 1.8 5.7 8.1	4/27 4/25 4/25 4/27	.00 1.90 2.52 .30	1.13b 3.60 2.15	12.25 24.60 14.98	8.53 23.39 13.77	144 105 109
MUDDY RIVER	., _3		, _		0.1						
Black's Fork Dill's Camp	4/25 4/25	40 31	14.4	21.3	 9.9a	4/25	1.10		20.91		
FREMONT RIVER											
Black's Flat-U.M. Creek Donkey Reservoir Fish Lake Johnson Valley	4/30 4/30 4/30 4/30	30 18 26 15	11.8 6.8 11.3 5.9	11.4 0.0 6.2	8.8	4/30 4/30	3.19	2.65	18.27 15.40	14.75	124 136

WONS		THIS YEAR		PAST R	ECORD	PRECIPI	TATION	(Inches)	FROM APPROX. OCT 1 TO DATE			
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Weter Cont	Average †	Date of	Month's Precipitation	AVerage +	FROM AP	PROX. OCT 1	Percent of Average	
SOUTHEASTERN UTAH DRAINAGES				Last Year	VARIAGE 1	Reading	Frecipitation				Average	
	//05	50	22.2		eg -1	/ /05	1 /7	0 75	20 50	20.00	15/	
Buckboard Flat Camp Jackson	4/25 4/25	50 52	22.0	4.6 8.5	7.1 5.8	4/25 4/25	1.47 1.25	2.75	32.56 34.63	20.89	156 180	
LaSal Mountain (lower) LaSal Mountain (upper)	4/26 4/26	21 52	8.4	6.1	4.3	4/26	1.50	2.99	23.24	17.17	135	
Monticello City Park	4/26	0	0.0	0.0								
VIRGIN RIVER										1		
Kolob-Crystal	4/30	78	38.9	37.0	22.5a		:					
Long Valley Junction Webster Flat	4/26 4/30	0 59	0.0 32.7	0.0 33.6	0.0b 13.8	4/30						
a - Partly Estimated b - Average of past record	in averag	e period	- less	than 15	vears							
b - Average of past record + - 1963-77 15 year average (A) - Aerial Marker Reading	period	c per .oc	1000									
(A) - Aeriai Marker Reading												
						American III						
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SDA-SCS-PORTLAND OR. 1977 M7-0-22027 D											1958-1972 perio	



SNOW COURSES AND RELATED DATA MEASURING SITES UTAH



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INDEX TO UTAH, BEAR & "UPPER COLORADO RIVER BASINS

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	RGE (Cont		4W 6W 11W 12W 6E 5W 10E	3% 5% 4% 8% 8% 11 12 12 13 11 13 11	14E 7E 7E 13E 13E 8E 8E	4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4E 4E 7E 6E 5E	4 E	36 46 16 26	22E 22E 24E 24E	73E 1W 1W	W110 W6 W9	tur e.
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AINAG	NAME UPPER BEAR RIVER	Big Park Burts-Miller Ranch CCC Camp × CCC Gap × CG del Hill Hoyden Fark Kelly Ranger Station Lify Lake Manter Cristo R. S. Paison Meeddows × Salt River Summit ×	Snyder Be Stillwater L O W E R Bug Lake Christense Cinnaman	Out River Ranger Station Day Basin Day Creek Flat Enigrant Summit (mouth) Franklin Basin Garden City Summit Haret Hollow Harsethee Basin Klandike Narraws Litherty Springs Lithler Basin Lithery Springs	Little Bec Oxfard N Slug Cree Steep Hol Steep Hol Strawberr Strawberr Tony Gra Tony Gra	RAFT RIVER Clear Creek Meadows George Peak One Mile Summit ViPant	GOCEN NIVEN Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond (lawer) Causey Dam Cutler Creek	Dry Brea Guilder! Middle F Pawder N Pawder N	Sagebrush Flat W E B E R R I V E R Beaver Greek R.S Chalk Greek #1	Chalk Creek #2 Chalk Creek #3 East Shingle Lake Farmingtan Canyan (Javer Francis Canyan Hardscrabble	Harse Kit Kilfail C Last Cret Park City Parley's Pine Can	Redden Mine (lawer) Redden Mine (upper) Sergeant Lakes Shingle Mill Flat Smith & Morehouse	PROVORIVER & 1 Beaver Creek Divide Canp Altamani Class Creek Ridge # 1 Class Creek Ridge # 2 Class Creek Ridge # 3 Ustrham R.S. Habble Creek Summit Lake Creek Summit Bekard Canyan Roscan R.S.
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Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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COOPERATIVE SNOW SURVEYS

domestic and municipal water supply, hydro-electric power water supply for irrigation, necessary for forecasting generation, navigation, Furnishes the basic data mining and industry

"The Conservation of Water begins with the Snow Survey"